

WHAT IS CLAIMED IS:

1. A flame-resistant thermoplastic molding composition comprising polycarbonate resin, an impact resistance modifier and a reinforcing mineral said composition characterized in having a flow line strength greater than 6 kJ/m², measured according to ISO 179/1eU.

5. 2. The composition according to Claim 1 further characterized in having a modulus of elasticity of at least 3.5 GPa.

10. 3. The composition according to Claim 1 further characterized as V-0 as determined by the flame resistance test according to UL94V at wall thickness of \leq 1.5 mm.

15. 4. The composition according to Claim 1 wherein the mineral is wollastonite.

20. 5. The composition according to Claim 4, wherein the wollastonite has a mean aspect ratio of greater than 10 and a mean fiber diameter of less than 10 μm .

25. 6. The composition according to Claim 1 wherein the polycarbonate is at least one member selected from the group consisting of aromatic polycarbonate and aromatic polyester carbonate.

30. 7. The composition according to Claim 6, wherein the polycarbonate is contained in an amount of 50 to 85 % relative to the weight of the composition.

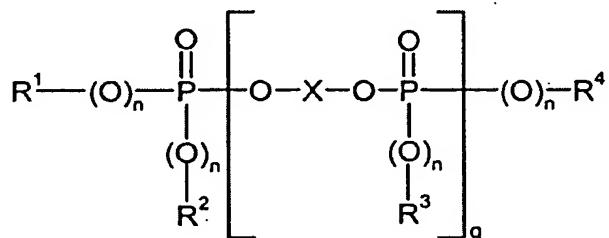
8. The composition according to Claim 1 further comprising up to 50 % of its weight of a graft polymer of 5 to 95 percent of at least one vinyl monomer grafted on 95 to 5 percent of at least one graft base having a glass transition temperature of less than about 10°C, said percent, both occurrences being relative to the weight of the graft polymer.

9. The composition according to Claim 8, wherein the graft base is a member selected from the group consisting of diene, EP(D)M, acrylate and silicone rubbers.

10. The composition according to Claim 8, wherein the graft polymer is at least one member selected from the group consisting of emulsion ABS and bulk ABS.

11. The composition according to Claim 1 further containing a
5 phosphorus-containing flame-proofing agent.

12. The composition according to Claim 11, wherein the flame-proofing agent conforms to



wherein

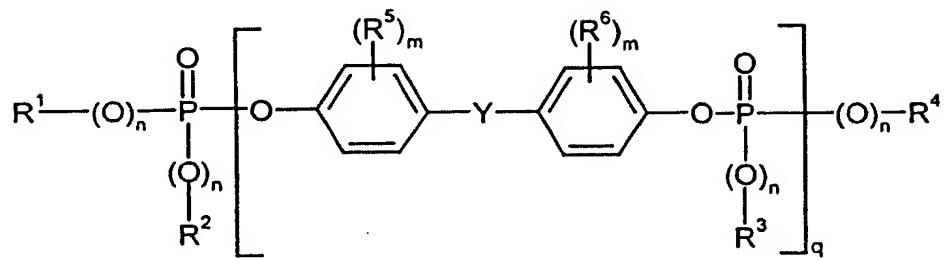
R^1 , R^2 , R^3 and R^4 independently of one another denote C_1 - C_8 alkyl, C_5 - C_6 cycloalkyl, C_6 - C_{20} aryl or C_7 - C_{12} aralkyl optionally substituted by alkyl.

15 n independently of one another denotes 0 or 1,

q is a number between 0.5 and 30, and

20 X denotes a mononuclear or polynuclear aromatic radical with 6 to 30 C atoms, or a linear or branched aliphatic radical with 2 to 30 C atoms.

13. The composition according to Claim 11 wherein the flame proofing agent conforms to



wherein

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$\text{R}^1, \text{R}^2, \text{R}^3$ and R^4 in each case independently of one another denote C_1 to C_8 alkyl and/or C_5 to C_6 cycloalkyl, C_6 to C_{10} aryl or C_7 to C_{12} aralkyl each optionally substituted by alkyl,

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n independently of one another is 0 or 1,

m independently of one another is 0, 1, 2, 3 or 4,

q is a number between 0.5 and 30, and

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R^5 and R^6 independently of one another denote optionally halogen-substituted C_1 to C_4 alkyl, or halogen, and

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Y denotes C_1 to C_7 alkylidene, C_1 to C_7 alkylene, C_5 to C_{12} cycloalkylene, C_5 to C_{12} cycloalkylidene, $-\text{O}-$, $-\text{S}-$, $-\text{SO}-$, SO_2 or $-\text{CO}-$.

14. The composition according to Claim 1 further containing up to 5 % relative to the weight of the composition of fluorinated polyolefin.

15. The composition according to Claim 1 that contains up to 30 % relative to the weight of the composition, of at least one member

selected from the group consisting of lubricating agent, mold release agent, nucleating agent; antistatic agent, stabilizer, glass fibers, carbon fibers, fillers, dye and pigment.

16. A molded article containing the composition according to

5 Claim 1.

17. A flame-resistant thermoplastic molding composition comprising

10 A) an aromatic polycarbonate and/or polyester carbonate in an amount of 5 to 95 parts by weight (pbw),

15 B) an impact resistance modifier in the form of a graft polymer in an amount of 0.5 to 60 pbw,

C) a thermoplastic vinyl (co)polymer and/or polyalkylene terephthalate in an amount of 0 to 50 pbw.

D) a phosphorus compound in an amount of 0.5 to 30 pbw,

15 E) a fluorinated polyolefin in an amount of 0 to 5 pbw, from 0 to 30 pbw of at least one additive selected from the group

20 consisting of lubricating agent, mold release agent, nucleating agent, antistatic agent, stabilizer, glass fibers, carbon fibers, fillers, dye and pigment, and 1 to 30 pbw of wollastonite having a mean aspect ratio greater than 10 and a mean fiber diameter of less than 10 μm the total sum of the parts by weight being 100, said composition characterized in having a flow line strength greater than 6 kJ/m^2 , measured according to ISO 179/1eU.

18. The composition of Claim 12 wherein R^1 , R^2 , R^3 and R^4 independently one of the others is alkyl substituted.

25 19. The composition of Claim 12 wherein X is OH-substituted.

20. The composition of Claim 12 wherein X contains up to 8 ether bonds.